

Title	Diagnose and rectify faults in an all-terrain vehicle (ATV) clutch		
Level	4	Credits	4

Purpose	This unit standard is for people in the motorcycle repair industry. People credited with this unit standard are able to dismantle and inspect an ATV clutch and replace components, and assemble and adjust an ATV clutch.
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Classification	Motor Industry > Automotive Transmission Systems
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to – Health and Safety in Employment Act 1992; Land Transport Rule: Vehicle Repair 1998, Rule 34001.
- 2 Land Transport Rules are produced for the Minister of Transport by Land Transport New Zealand. These rules are available online at <http://www.landtransport.govt.nz/rules/>.
- 3 Definitions
Service information may include but is not limited to – technical information of a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions and specifications; technical terms and descriptions; and detailed illustrations. This can be accessed in hard copy or electronic format and is normally sourced from the manufacturer.
Suitable tools and equipment means industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task in a professional and competent manner with due regard to safe working practices.
- 4 Range
 This unit standard includes but is not limited to – centrifugal clutch, one-way type, starter clutch.
- 5 For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.
- 6 Recommended entry information: Unit 24312, *Demonstrate knowledge of clutches and transmissions used on all-terrain vehicles (ATVs)*, or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Dismantle and inspect an ATV clutch and replace components.

Performance criteria

- 1.1 Safe working practices are observed throughout the task in accordance with legislative requirements.
- Range personal safety, safety of others, ATV safety, workshop safety, environmental safety, tools and equipment safety.
- 1.2 Suitable tools and equipment are selected and used to enable the clutch to be dismantled and inspected in accordance with service information.
- 1.3 The clutch or transmission is drained of oil, and the oil is disposed of in an environmentally safe manner in accordance with company requirements.
- 1.4 The clutch is disassembled in accordance with service information.
- 1.5 The clutch components are inspected for signs of damage, wear, and overheating in accordance with service information. An assessment is made to determine which parts are suitable for further use.
- Range may include but is not limited to – clutch drive plate, clutch driven plate, clutch spring free length, clutch shoe, clutch wheel, one way clutch, clutch release mechanism, clutch release ball, starter clutch.
- 1.6 Any parts not suitable for further service are replaced in accordance with service information.

Outcome 2

Assemble and adjust an ATV clutch.

Performance criteria

- 2.1 Safe working practices are observed throughout the task in accordance with legislative requirements.
- Range personal safety, safety of others, ATV safety, workshop safety, environmental safety, tools and equipment safety.
- 2.2 Suitable tools and equipment are selected and used to enable the clutch assembly to be assembled and adjusted in accordance with service information.
- 2.3 The clutch is assembled in accordance with service information.

- 2.4 The clutch operating mechanism is connected and adjusted, and operates in accordance with service information.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 February 2008	31 December 2020
Review	2	26 April 2018	31 December 2020

Consent and Moderation Requirements (CMR) reference

0014

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.